

1 **DISK DRIVE FOR CIRCULAR SELF SERVO WRITING AND SPIRAL SELF**
2 **SERVO WRITING USING PREWRITTEN REFERENCE SERVO BURSTS**

3

4 **ABSTRACT OF THE DISCLOSURE**

5 A disk drive is disclosed comprising a disk and a head actuated radially over the disk. An
6 external servo writer is used to write reference servo bursts to the disk at a coarser radial
7 resolution than product servo bursts. During a self servo writing operation, the reference servo
8 bursts are processed to servo circularly to write a first set of product servo bursts to the disk.
9 The reference servo bursts are also processed to servo spirally to write a second set of product
0 servo bursts to the disk.

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

26

27

28

29

30